

Input Output

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DIRECTIONS (Qs. 1-5) : Study the following information carefully and answer the given questions.

A word and number arrangement machine when given an input line of words and numbers rearranges them following a particular rule in each step. The following is an illustration of input and rearrangement. (All the numbers are two-digit numbers.)

Input: pink for 25 72 white jar 12 96
Step I: 96 pink for 25 72 white jar 12
Step II: 96 for pink 25 72 white jar 12
Step III: 96 for 72 pink 25 white jar 12
Step IV: 96 for 72 jar pink 25 white 12
Step V: 96 for 72 jar 25 pink white 12
Step VI: 96 for 72 jar 25 pink 12 white

And step VI is the last step of the rearrangement.

As per the rules followed in the above steps, find out in each of the following questions the appropriate step for the given input. (All the numbers are two-digit numbers.) (IBPS Clerk 2011)

- Input:** 16 power failure 61 53 new cost 27
How many steps will be required to complete the rearrangement?
 (a) Six (b) Seven
 (c) Five (d) Four
 (e) None of these
- Step II of an Input:** 84 ask quit these 39 12 old 51 Which of the following will definitely be the input?
 (a) quit these 39 12 old 84 ask 51
 (b) quit these 39 12 old 51 84 ask
 (c) quit 84 these ask 39 12 old 51
 (d) Cannot be determined
 (e) None of these
- Step III of an Input:** 63 bed 58 never go home 46 28
How many more steps will be required to complete the rearrangement?
 (a) Four (b) Three
 (c) Five (d) Six
 (e) None of these
- Input:** rows 25 columns 39 46 fear star 72
Which of the following steps will be the last but one?
 (a) V (b) VI
 (c) VII (d) VIII
 (e) None of these
- Input:** ordinary 47 tablet 36 dry 91 32 handle
Which of the following will be step VI of the rearrangement?
 (a) 91 dry 47 handle 36 32 ordinary tablet
 (b) 91 dry 47 handle 36 ordinary 32 tablet
 (c) 91 dry 47 handle 36 ordinary tablet 32
 (d) There will be no such Step.
 (e) None of these

DIRECTIONS (Qs. 6-10): Study the following information carefully and answer the given questions:

A word and number arrangement machine when given an input line of words and numbers rearranges them following a particular rule in each step. The following is an illustration of input and rearrangement. (All numbers are two-digit numbers.)

Input : good for everything 19 37 26 all 65
Step I : all good for everything 19 37 26 65
Step II : all 65 good for everything 19 37 26
Step III : all 65 everything good for 19 37 26
Step IV : all 65 everything 37 good for 19 26
Step V : all 65 everything 37 for good 19 26
Step VI : all 65 everything 37 for 26 good 19

and Step VI is the last step of the rearrangement as the desired arrangement is reached.

As per the rules followed in the above steps, find out in each of the following questions the appropriate step for the given input. (All numbers are two-digit numbers.) (IBPS Clerk 2011)

- Input:** won 13 now 25 72 please go 47
How many steps will be required to complete the rearrangement?
 (a) Four (b) Five
 (c) Six (d) Three
 (e) None of these
- Step III of an input is :
car 81 desk 15 42 39 tall more
Which of the following will be Step VI?
 (a) car 81 desk 42 39 15 tall more
 (b) car 81 desk 42 15 39 tall more
 (c) car 81 desk 42 more 39 15 tall
 (d) There will be no such step.
 (e) None of these
- Step II of an input is:
bell 53 town hall near 27 43 12
How many more steps will be required to complete the rearrangement?
 (a) Five (b) Four
 (c) Six (d) Three
 (e) None of these
- Step II of an input is
box 93 25 year end 41 32 value
Which of the following is definitely the input?
 (a) 25 year end box 93 41 32 value
 (b) 25 year end 93 41 32 value box
 (c) 9325 box year end 41 32 value
 (d) Cannot be determined
 (e) None of these
- Input:** paper dry 37 23 height call 62 51
Which of the following steps will be the last but one?
 (a) V (b) IV
 (c) VI (d) III
 (e) None of these

DIRECTIONS (Qs. 11-13) : A word arrangement machine, when given a particular input, rearranges it following a particular rule. The following is the illustration of the input and the steps of arrangement :

Input : and band land hand hind lack job

Step I : hind and band lack land hand job

Step II : hind band land job and lack hand

Step III : hind and lack band hand land job

Step IV : land band and job hand lack hind

Step V : hand land band lack and job hind

Step VI : hand band and hind land lack job and so on.

As per the rule followed in the above steps, find out the appropriate step for the given input or vice versa in the following questions. (SBI PO Exam 2011)

11. **Input :** do we he is it at all
Which of the following steps would be "all we he is do at it"?
(a) It is not possible to get the above step.
(b) Step VI (c) Step IX
(d) Step X (e) None of these
12. If **Step IV** of an input is "he is to do what her observe". Which of the following would definitely be the **input**?
(a) to is he what observe her do
(b) he is to what observe her do
(c) is he to what observe her do
(d) Can't say
(e) None of these
13. If step III of an input is "when then men can how are you". What would be **step VII** of the input?
(a) then can are when you men how
(b) how are men can you then when
(c) you then can men are when how
(d) how can then men are when you
(e) None of these

DIRECTIONS (Qs. 14-20): Study the following information to answer the given questions:

A word and number arrangement machine when given an input line of words and numbers rearranges them following a particular rule in each step. The following is an illustration of input and rearrangement. (All the numbers are two-digit numbers and are arranged as per some logic based on the value of the number.)

Input : win 56 32 93 bat for 46 him 28 11 give chance

Step I : 93 56 32 bat for 46 him 28 11 give chance win

Step II : 11 93 56 32 bat for 46 28 give chance win him

Step III : 56 11 93 32 bat for 46 28 chance win him give

Step IV : 28 56 11 93 32 bat 46 chance win him give for

Step V : 46 28 56 11 93 32 bat win him give for chance

Step VI : 32 46 28 56 11 93 win him give for chance bat

Step VI is the last step of the arrangement the above input.

As per the rules followed in the above steps, find out in each of the following questions the appropriate steps for the given input.

Input for the questions:

Input: fun 89 at the 28 16 base camp 35 53 here 68 (All the numbers given in the arrangement are two-digit numbers.)

(SBI Asst. PO 2011)

14. Which of the following would be step II?
(a) 89 fun at 28 16 base camp 35 53 here 68 the
(b) 35 53 28 68 16 89 the here fun camp base at
(c) 16 89 at fun 28 camp base 35 53 68 the here
(d) 53 28 68 16 89 35 the here fun camp base at
(e) None of these
15. Which word/number would be at seventh position from the left in step IV?
(a) base (b) at
(c) 35 (d) the
(e) 53
16. Which step number would be the following output?
53 28 68 16 89 at 35 the here fun camp base
(a) There will be no such step.
(b) III (c) II
(d) V (e) IV

DIRECTIONS (Qs. 17-21) : Study the following information to answer the given questions:

A word and number arrangement machine when given an input line of words and numbers rearranges them following a particular rule. The following is an illustration of input and rearrangement. (All the numbers are two digits numbers.)

Input : sine 88 71 cos theta 14 56 gamma delta 26

Step I : cos sine 71 theta 14 56 gamma delta 26 88

Step II : delta cos sine theta 14 56 gamma 26 88 71

Step III : gamma delta cos sine theta 14 26 88 71 56

Step IV : sine gamma delta cos theta 14 88 71 56 26

Step V : theta sine gamma delta cos 88 71 56 26 14

and Step V is the last Step of the arrangement of the above input as the intended arrangement is obtained.

As per the rules followed in the above steps, find out in each of the following questions the appropriate steps for the given input,

Input for the questions:

Input : for 52 all 96 25 jam road 15 hut 73 bus stop 38 46

(All the numbers given in the arrangement are two digit numbers) (IBPS PO 2011)

17. Which word/number would be at the 6th position from the left in Step V ?
(a) 25 (b) stop
(c) jam (d) all
(e) road
18. Which of the following would be the Step III ?
(a) hut for bus all 25 jam road 15 stop 38 96 73 52 46
(b) for bus all 25 jam road 15 hut 38 stop 96 46 73 52
(c) hut for bus all jam road 15 stop 38 96 73 52 46 25
(d) for bus all 25 jam road 15 hut stop 38 46 96 73 52
(e) None of these
19. Which word/number would be at 8th position from the right in Step IV?
(a) 15 (b) road
(c) hut (d) jam
(e) stop
20. Which of the following would be Step VII ?
(a) stop road jam hut for bus all 15 96 73 52 46 38 25
(b) road jam hut for bus all stop 15 25 38 46 52 73 96
(c) stop road jam hut for bus all 96 73 52 46 38 25 15
(d) jam hut for bus all 25 road stop 15 96 73 52 46 38
(e) There will be no such step as the arrangement gets established at Step VI

21. Which step number would be the following output ?
bus all for 52 25 jam road 15 hut stop 38 46 96 73
- There will be no such step
 - III
 - II
 - V
 - VI

DIRECTIONS (Qs. 22-25) : Study the following information carefully and answer the given questions :

A word and number arrangement machine when given an input line of words and numbers rearranges them following a particular rule in each step. The following is an illustration of input and rearrangement (**All the numbers are two digits numbers**)

Input : tall 48 13 rise alt 99 76 32 wise jar high 28 56 bam
Step I : 13 tall 48 rise 99 76 32 wise jar high 28 56 bam alt
Step II : 28 13 tall 48 rise 99 76 32 wise jar high 56 alt bam
Step III : 32 28 13 tall 48 rise 99 76 wise jar 56 alt bam high
Step IV : 48 32 28 13 tall rise 99 76 wise 56 alt bam high jar
Step V : 56 48 32 28 13 tall 99 76 wise alt bam high jar rise
Step VI : 76 56 48 32 28 13 99 wise alt bam high jar rise tall
Step VII : 99 76 56 48 32 28 13 alt bam high jar rise tall wise
and Step VII is the last step of the above input, as the desired arrangement is obtained.

As per the rules followed in the above steps, find out in each of the following questions the appropriate step for the given input.

Input : 84 why sit 14 32 not best ink feet 51 27 vain 68 92
(All the numbers are two digits numbers)

(IBPS PO 2012)

22. Which step number is the following output ?
32 27 14 84 why sit not 51 vain 92 68 feet best ink
- Step V
 - Step VI
 - Step IV
 - Step III
 - There is no such step
23. Which word/number would be at 5th position from the right in Step V ?
- 14
 - 92
 - feet
 - best
 - why
24. How many elements (words or numbers) are there between 'feet' and '32' as they appear in the last step of the output ?
- One
 - Three
 - Four
 - Five
 - Seven
25. Which of the following represents the position of 'why' in the fourth step ?
- Eighth from the left
 - Fifth from the right
 - Sixth from the left
 - Fifth from the left
 - Seventh from the left

DIRECTIONS (Qs. 26-30) : Study the following information carefully and answer the given questions:

A word and number arrangement machine when given an input line of words and numbers rearranges them following a particular rule in each step. The following is an illustration of input and rearrangement (All the numbers given in the arrangement are two digit numbers).

Input : gone over 35 69 test 72 park 27
Step I : 27 gone over 35 69 test 72 park
Step II : 27 test gone over 35 69 72 park

Step III : 27 test 35 gone over 69 72 park
Step IV : 27 test 35 park gone over 69 72
Step V : 27 test 35 park 69 gone over 72
Step VI : 27 test 35 park 69 over gone 72
Step VII : 27 test 35 park 69 over 72 gone
and Step VII is the last step of the rearrangement of the above input as the desired arrangement is obtained.

As per the rules followed in the above steps, find out in each of the following questions the appropriate step for the given input.

(IBPS SO 2012)

26. Input : 86 open shut door 31 49 always 45
How many steps will be required to complete the rearrangement?
- Five
 - Six
 - Seven
 - Four
 - None of these
27. Step III of an input 25 yes 37 enemy joy defer 52 46
Which of the following is definitely the input ?
- enemy 25 joy defeat yes 52 37 46
 - 37 enemy 25 joy yes defeat 52 46
 - enemy joy defeat 25 52 yes 46 37
 - Cannot be determined
 - None of these
28. Step II of an Input : 18 win 71 34 now if victory 61
How many more steps will be required to complete the rearrangement ?
- Three
 - Four
 - Five
 - Six
 - More than six
29. Input : where 47 59 12 are they going 39
Which of the following steps will be the last but one ?
- VII
 - IV
 - V
 - VIII
 - None of these
30. Step II of an input : 33 store 81 75 full of goods 52
Which of the following will be step VI ?
- 33 store 52 of 75 81 full goods
 - 33 store 52 of 75 full 81 goods
 - 33 store 52 of 75 goods 81 full
 - There will be no such step
 - None of these

DIRECTIONS (Qs. 31-35) : Study the following information carefully and answer the questions given below:

A word and number arrangement machine when given an input line of words and numbers rearranges them following a particular rule in each step. The following is an illustration of input and various steps of rearrangement. (All the numbers are two digit numbers).

Input : more presence required 12 42 70 for 63 37 good work 28

Step I : for 70 more presence required 12 42 63 37 good work 28

Step II : good 63 for 70 more presence required 12 42 37 work 28

Step III : more 42 good 63 for 70 presence required 12 37 work 28

Step IV : presence 37 more 42 good 12 work 28

Step V : required 28 presence 37 more 42 good 63 for 70 12 work

Step VI : work 12 required 28 presence 37 more 42 good 63 for 70

And Step VI is the last step of the rearrangement as the desired arrangement is obtained. As per rules followed in the above steps, find out in each of the questions the appropriate step for the given input.

Input for the questions:

Money 48 24 18 wanted for investment 65 90 lock credit 32

(IBPS SO 2013)

31. Which step number is the following output ?
lock 32 investment 48 for 65 credit 90 money 24 18 wanted
(a) Step II (b) Step III
(c) Step IV (d) Step V
(e) There is no such step
32. Which word/number would be fourth from the left in step IV ?
(a) for (b) 48
(c) 65 (d) 32
(e) credit
33. Which word/number would be second to the right of the fifth element from the left in step V ?
(a) for (b) 65
(c) 48 (d) investment
(e) 32
34. How many elements (words/ numbers) are there between “for” and “18” in step III ?
(a) Four (b) Three
(c) Six (d) Seven
(e) Five
35. Which of the following represents the position of “credit” in step V ?
(a) Third from the right (b) Fifth from the left
(c) Sixth from the left (d) Fourth from the right
(e) Sixth from the right

DIRECTIONS (Qs. 36-40) : Study the following information carefully and answer the given questions :

A word and number arrangement machine when given an input line of words and number rearranges them following a particular rule in each step. The following is an illustration of input and rearrangement.

Input : 51 pour 32 start now 23 46 house
Step I : 23 51 pour 32 start now 46 house
Step II : 23 start 51 pour 32 now 46 house Step
Step III : 23 start 32 51 pour now 46 house Step
Step IV : 23 start 32 pour 51 now 46 house Step
Step V : 23 start 32 pour 46 51 now house Step
Step VI : 23 start 32 pour 46 now 51 house As per the rules followed in the above steps, find out in each of the following questions the appropriate step for the given input.

(RBI Assistant 2013)

36. Step II of an input is : 18 task bear cold dish 81 63 31 How many more steps will be required to complete the rearrangement ?
(a) Three (b) Four
(c) Five (d) Six
(e) None of these
37. Input: nice flower 34 12 costly height 41 56
Which of the following will be step III ?
(a) 12 nice 34 height flower costly 41 56
(b) 12 nice 34 height 41 flower costly 56
(c) 12 nice 34 flower costly height 41 56
(d) 12 nice flower 34 costly height 41 56
(e) None of these
38. Step II of an input is : 16 victory 19 36 53 store lake town
Which of the following will be step V ?
(a) 16 victory 19 town store 36 53 lake
(b) 16 victory 19 town 36 store 53 lake
(c) 16 victory 19 town 36 53 store lake
(d) There will be no such step
(e) None of these

39. Input : milk pot 18 24 over goal 36 53
Which of the following steps will be the last but one
(a) VI (b) V
(c) VII (d) VIII
(e) None of these

DIRECTIONS (Qs.40-44): Study the following information carefully and answer the given questions.

When a word and number arrangement machine is given an input line of words and numbers, it arranges them following a particular rule. The following is an illustration of input and rearrangement:
(All the numbers are two digit numbers)

Input : 40 made butter 23 37 cookies salt extra 52 86 92 fell now 19

Step I: butter 19 40 made 23 37 cookies salt extra 52 86 92 fell now

Step II: cookies 23 butter 19 40 made 37 salt extra 52 86 92 fell now

Step III: extra 37 cookies 23 butter 19 40 made salt 52 86 92 fell now

Step IV: fell 40 extra 37 cookies 23 butter 19 made salt 52 86 92 now

Step V: made 52 fell 40 extra 37 cookies 23 butter 19 salt 86 92 now

Step VI: now 86 made 52 fell 40 extra 37 cookies 23 butter 19 salt 92

Step VII: salt 92 now 86 made 52 fell 40 extra 37 cookies 23 butter 19

Step VII: is the last step of the above arrangement as the intended arrangement is obtained.

As per the rules followed in the given steps, find out the appropriate steps for the given input.

Input: 32 proud girl beautiful 48 55 97 rich family 61 72 17 nice life
(SBI PO 2013)

40. How many steps will be required to complete the given input?
(a) Five (b) Six
(c) Seven (d) Eight
(e) Nine
41. Which of the following is the third element from the left end of step VI?
(a) beautiful (b) life
(c) 61 (d) nice
(e) 17
42. Which of the following is step III of the given input?
(a) Proud 72 girl 48 family 32 beautiful 17 55 97 rich 61 nice life
(b) life 55 girl 48 family 32 beautiful A proud 97 rich 61 72 nice.
(c) girl 48 family 32 beautiful 17 proud 55 97 rich 61 72 nice life
(d) family 32 beautiful 17 proud girl 48 55 97 rich 61 72 nice life
(e) girl 48 life 55 family 32 beautiful 17 proud 97 rich 61 72 nice
43. What is the position of ‘nice’ from the left end in the final step?
(a) Fifth (b) Sixth
(c) Seventh (d) Eighth
(e) Ninth
44. Which element is third to the right of ‘family’ in Step V?
(a) beautiful (b) 17
(c) proud (d) 97
(e) 32

DIRECTIONS (Qs. 45-30) : Study the following information to answer the given questions:

A word and number arrangement machine when given an input line of words and numbers rearranges them following a particular rule. The following is an illustration of input and rearrangement. (All numbers in these questions are two digit numbers)

Input : 16 today 32 waiting 21 are 11 people 46 bus 66 long

Step I : 16 today 32 waiting 21 11 people 46 bus 66 long are

Step II : 16 today 32 waiting 21 people 46 bus 66 long 11 are

Step III : 16 today 32 waiting 21 people 46 66 long bus 11 are

Step IV : today 32 waiting 21 people 46 66 long 16 bus 11 are

Step V : today 32 waiting people 46 66 21 long 16 bus 11 are

Step VI : today 32 waiting 46 66 people 21 long 16 bus 11 are

Step VII : today waiting 46 66 32 people 21 long 16 bus 11 are

Step VIII : waiting 46 66 today 32 people 21 long 16 bus 11 are

Step IX : waiting 66, 46 today 32 people 21 long 16 bus 11 are

Step X : 66 waiting 46 today 32 people 21 long 16 bus 11 are

Step X is the last Step of the arrangement of the above input as the intended arrangement is obtained.

Now, answer the questions based on the following input.

Input: 23 you 13 wake 81 me 43 before 72 go 34 up

(IBPS SO 2013)

45. Which of these words / numbers would be fourth (from left side) in step IV for the input
 - (a) me
 - (b) 48
 - (c) 81
 - (d) wake
 - (e) None of these
46. The following stands for which step of the rearrangement?

you wake 81 43 72 34 up me 23 go 13 before

 - (a) Step IX
 - (b) Step IV
 - (c) Step VI
 - (d) Step V
 - (e) None of these
47. Which of the following would be Step II for the above input?
 - (a) 23 you wake 81 me 43 72 34 up go 13 before
 - (b) 23 you 13 wake 81 me 43 72 go 34 up before
 - (c) 23 you wake 81 me 43 72 go 34 up before 13
 - (d) 23 you wake 81 me 43 72 go 34 up 13 before
 - (e) None of these

DIRECTIONS (Qs. 48-53) : Given an input line the machine arranges the words and numbers in steps in a systematic manner as illustrated below:

Input line 59 dress fine shine 32 66 72 offer

Step I 72 56 dress fine shine 32 66 offer

Step II 72 shine 56 dress fine 32 66 offer

Step III 72 shine 66 56 dress fine 32 offer

Step IV 72 shine 66 offer 56 dress fine 32

Step V 72 shine 66 offer 56 fine dress 32

Step VI 72 shine 66 offer 56 fine 32 dress

STEP VI is the last step and the output in Step VI is the final output.

As per the rules followed in the above steps, find out in each of the following questions the appropriate step for the given input.

(IBPS PO 2013)

48. Step IV of an input is '62 sound 56 sleep roam present 33 49'. What will be the input definitely?
 - (a) Sound 62 sleep 56 roam present 33 49
 - (b) Sleep sound 62 56 roam present 33 49
 - (c) 62 Sound sleep 56 roam present 33 49
 - (d) Cannot be determined
 - (e) None of the above

49. Which of the following will be the third step for input 'jockey firm 36 43 growth chart 22 45'?
 - (a) 45 jockey 43 growth firm 36 chart 22
 - (b) 45 jockey 43 firm growth 36 chart 22
 - (c) 45 jockey 43 growth 36 firm chart 22
 - (d) 45 jockey 43 firm 36 growth chart 22
 - (e) None of the above
50. Step II of an input is '53' window 42 50 door lock key 36'. How many more steps will be required to complete the arrangement?
 - (a) Three
 - (b) Four
 - (c) Five
 - (d) Six
 - (e) None of these
51. What will be the fifth step of an input whose first step is '85 journey train 36 54 daily 28 mansion'?
 - (a) 85 train 54 mansion 28 journey daily 36
 - (b) 85 train 54 mansion journey 36 daily 28
 - (c) 85 train 54 mansion 36 journey daily 28
 - (d) There is no such step
 - (e) None of the above
52. Which step will be the last step for an input whose second step is '63' Sour 18 56 grapes healthy 32 rise'?
 - (a) IV
 - (b) V
 - (c) VIII
 - (d) VII
 - (e) None of these
53. Which word/number will be sixth from right in step fifth whose second step is '63 Sour 18 56 grapes healthy 32 rise'?
 - (a) Rise
 - (b) 56
 - (c) Sour
 - (d) 32
 - (e) 18

DIRECTIONS (Qs. 54 - 59) : Study the following information carefully and answer the given questions :

A word and number arrangement machine when given an input line of words and numbers rearranges them following a particular rule in each step. The following is an illustration of input and rearrangement:

Input : exam 81 56 over down up 16 64

Step I : down exam 81 56 over up 16 64

Step II : down 81 exam 56 over up 16 64

Step III : down 81 exam 64 56 over up 16

Step IV : down 81 exam 64 over 56 up 16

Step IV is the last step of the rearrangement of the above input.

As per the rule followed in the above steps, answer the following questions. **(IBPS PO 2014)**

54. **Input** : 98 11 64 22 but will an it

which of the following will be step VI?

 - (a) step VI can't be possible because step V will be the last step
 - (b) an 98 but 64 it 22 11 will
 - (c) an 98 but 64 it 22 will 11
 - (d) an 11 but 22 it 64 will 98
 - (e) None of these
55. **Input**: 32 now 20 gift 53 box 62 at

Which of the following will be step IV?

 - (a) at 62 box 53 32 now 20 gift
 - (b) at 62 box 53 gift 32 now 20
 - (c) at 62 box 53 gift 20 now 32
 - (d) at 62 53 box 32 now 20 gift
 - (e) None of these

56. **Input:** *pay by 18 36 nose ear 72 54*
Which of the following steps will be the last step?
(a) Can't say (b) Five
(c) Seven (d) Six
(e) None of these
57. Step III of an input is:
damn 96 flag 87 78 14 saint put
which of the following steps will be the last but one?
(a) Can't say (b) Four
(c) Five (d) Six
(e) None of these
58. Step II of an input is :
jug 99 wax sun top 15 31 47
which of the following is definitely the input?
(a) *wax sun top 15 31 47 jug 99*
(b) *wax sun jug 99 top 15 31 47*
(c) *wax sun top jug 99 15 31 47*
(d) *Cannot be determined*
(e) None of these
59. Step IV of an input is: *Come 95 forward 40 sky 17 over 23*.
Then which of the following can certainly not be step III?
(a) *come 95 forward sky 17 over 23 40*
(b) *come 95 forward 17 sky over 23 40*
(c) *come 95 forward sky 40 17 over 23*
(d) *Cannot be determined*
(e) None of these

DIRECTIONS (Qs. 60-66) : Study the following information carefully and answer the questions given below :

A word and number arrangement machine when given an input line of words and numbers rearranges them following a particular rule in each step. The following is an illustration of input and various steps of rearrangement. (All the numbers are two digit numbers).

Input :	screen	31	award	93	blind	57	troop	19
Step I :	93	screen	31	award	blind	57	troop	19
Step II :	93	award	screen	31	blind	57	troop	19
Step III :	93	award	57	screen	31	blind	troop	19
Step IV :	93	award	57	blind	screen	31	troop	19
Step V :	93	award	57	blind	31	screen	troop	19
Step VI :	93	award	57	blind	31	screen	19	troop

And Step VI is the last step of the rearrangement as the desired arrangement is obtained.

As per rules followed in the above steps, find out in each of the questions the appropriate step for the given input.

Input : vital 54 cards 72 help 24 wall 66 lamp 49

(SBI SO 2014)

60. How many steps would be required to complete the rearrangement ?
(a) Eight (b) Six
(c) Seven (d) Nine
(e) Cannot be determined
61. How many elements (words/ numbers) are there between "lamp" and "66" as they appear in Step V ?
(a) Five (b) Six
(c) Four (d) Seven
(e) Three
62. Which step number is the following output ?
72 cards 66 help 54 lamp vital 24 wall 49
(a) Step III (b) Step IV
(c) Step V (d) Step VI
(e) There is no such step
63. Which word/number would be to the immediate right of the fourth element from the right end in Step III ?
help 24 wall 66 lamp 49
(a) help (b) wall
(c) 24 (d) lamp
(e) 54
64. In the final step "66" is related to "lamp" and "72" is related to "help" in a certain way, then "cards" is related to
(a) vital (b) 66
(c) 49 (d) wall
(e) 54
65. At what position of "wall" would come from the left end in the Step V?
(a) Ninth (b) Eighth
(c) Sixth (d) Seventh
(e) Fifth
66. Which word/number would be at the seventh position from the right end in the Step VI ?
(a) 54 (b) lamp
(c) cards (d) help
(e) 66

DIRECTIONS (Qs.67-73) : Study the following information carefully and answer the questions given below :

A word and number arrangement machine when given an input line of words and numbers rearranges them following a particular rule in each step. The following is an illustration of input and various steps of rearrangement. (All the numbers are two digit numbers).

Input :	sweet	46	nice	36	friend	26	help	96	bright	76	kind	66
Step I :	sweet	46	nice	36	friend	26	help	bright	76	kind	66	96
Step II :	sweet	nice	46	36	friend	26	help	bright	kind	66	76	96
Step III :	sweet	nice	kind	46	36	friend	26	help	bright	66	76	96
Step IV :	sweet	nice	kind	help	36	friend	26	bright	46	66	76	96
Step V :	sweet	nice	kind	help	friend	26	bright	36	46	66	76	96
Step VI :	sweet	nice	kind	help	friend	bright	26	36	46	66	76	96

And Step VI is the last step of the rearrangement as the desired arrangement is obtained.

As per rules followed in the above steps, find out in each of the questions the appropriate step for the given input.

Input : arrow 98 paint 58 lamb 38 each 78 great 18 most 48 rent 88

(SBI PO 2014)

67. Which word/number would be fifth to the left of the sixth element from the right in the step V?
 (a) great (b) arrow
 (c) lamb (d) 38
 (e) 48
68. Which of the following represents the position of "58" in the step IV?
 (a) Eighth from left (b) Third from right
 (c) Ninth from left (d) Eleventh from left
 (e) Fifth from right
69. How many elements (words/numbers) are there between "most" and "78" as they appear in the Step VI?
 (a) Eight (b) Seven
 (c) Nine (d) Five
 (e) Four
70. Which step number is the following output?
 rent paint most arrow 58 lamb 38 each great 18 48 78 88 98
 (a) There is no such step (b) Step II
 (c) Step V (d) Step VI
 (e) Step III
71. Which element (word/number) would be at the eleventh position from the right in the Step III?
 (a) lamb (b) arrow
 (c) 58 (d) 38
 (e) each
72. Which element (word/number) would be at the sixth position from the left in the Step VI ?
 (a) 18 (b) arrow
 (c) great (d) each
 (e) 38
73. At which of the following positions "great" would appear from the left in the Step V ?
 (a) Fifth (b) Sixth
 (c) Fourth (d) Second
 (e) Third

DIRECTIONS (Qs. 74-78) : Study the following information carefully to answer the questions given below.

In a toy exhibition, a machine processes a given input by the following rule. Participants are shown one by one till it reaches its last step. Following is an illustration of the working of this machine.

(IBPS SO 2014)

Input : sui me ato fe zen u no

Step I : fe sui me no ato zen u

Step II : no fe sui u me ato zen

Step III : u no fe zen sui me ato

Step IV : zen u no ato fe sui me

Step V : ato zen u me no fe sui and so on.

Now attempt the questions given below.

74. Which of the following steps would read as 'not you only say wise yet are' for the input 'say not you are only wise yet' ?
 (a) III (b) V
 (c) VI (d) VII
 (e) None of these
75. If the Step V of an input is 'so cd rom lay is nor it', which of the following would be its Step II?
 (a) is nor it rom lay so cd (b) nor it lay is so cd rom
 (c) lay so cd it rom is nor (d) Data inadequate
 (e) None of these

76. If the Step III of an input is 'lo men chi from yet as know', which of the following would be its input?
 (a) Data inadequate
 (b) from lo men know chi yet as
 (c) men chi yet lo as know from
 (d) chi as know men know from lo
 (e) None of these
77. Which of the following correctly describes the 'machine logic' in generating various steps based on the given input?
 (a) Each step is generated on random basis.
 (b) Words/letters are finally arranged in dictionary order.
 (c) The seventh letter interchanges with the fourth every time.
 (d) Data inadequate
 (e) None of these
78. What will be the step IV for the following input?
Input : may sen to cry if not hell
 (a) cry may sen to if not hell
 (b) if not hell to cry may sen
 (c) sen to if may not hell cry
 (d) not hell cry if may sen to
 (e) None of these

DIRECTIONS (Qs. 79-83) : Study the following information and answer the given questions. A word arrangement machine, when given an input line of words, rearrange them following a particular rule in each step. The following is an illustration of input and the steps of rearrangement.

Input Go for to though by easy To Access at

Step I Access go for to though by easy To at

Step II Access at go for to though by easy To

Step III Access at by go for to though easy To

Step IV Access at by easy go for to though To

Step V Access at by easy for go to though To

Step VI Access at by easy for go though to To

Step VII Access at by easy for go though To to

(and step VII is the last step for this input). As per the rules followed in the above steps, find out in the following questions the appropriate step for the given output. (IBPS SO 2015)

79. **Input** Together over series on feast the so which of the following steps will be the last but one?
 (a) II (b) III
 (c) IV (d) V
 (e) None of these
80. **Input** Every and peer to an for which of the following steps would be 'an and every for peer to'?
 (a) II (b) IV
 (c) V (d) III
 (e) None of these
81. The step II of an input is as follows: 'and Do pet to an that'. Which of the following would definitely be the input?
 (a) Do and pet to an that
 (b) Do pet to and that on
 (c) Do on pet to and that
 (d) Cannot be determined
 (e) None of these
82. **Input** 'Over Go for through at are'. Which steps will be the last step of the above input?
 (a) II (b) VI
 (c) IV (d) VII
 (e) III

83. **Input** 'Story for around on was he at'.
Which of the following will be step IV for the given input?
- around at He for story on was
 - around at for He story on was
 - around at for He on story was
 - around at for He on was story
 - None of these

DIRECTIONS (Qs. 84-88) : Study the following information to answer the given questions

A word and number arrangement machine when given an input line of words and numbers rearranges them following a particular rule. The following is an illustration of input and rearrangement. (Single digit numbers are preceded by a zero. All other numbers are two digit numbers)

- Input:** Good 18 to raise 02 12 money 28 for 57 charity 09.
Step I: to good 18 raise 02 12 money 28 for charity 09 57.
Step II: to raise good 18 02 12 money for charity 09 28 57.
Step III: to raise money good 02 12 for charity 09 18 28 57.
Step IV: to raise money good 02 for charity 09 12 18 28 57.
Step V: to raise money good for charity 02 09 12 18 28 57.
Step V: is the last Step of the arrangement of the above input as the intended arrangement is obtained.

DIRECTIONS (Qs. 84-85) : (These questions are based on the following input):

Input : always 19 give 21 84 for 62 14 worthy cause
(IBPS PO Main 2015)

84. Which of the following would be step III for the above input ?
- worthy give for always 19 14 cause 84 62 21.
 - worthy give for always 14 19 cause 21 62 84.
 - always give for worthy 19 14 cause 21 62 84.
 - worthy give for always 19 14 cause 21 62 84.
 - always give for cause 19 14 worthy 21 62 84.
85. How many steps would be needed to complete the arrangement for the above input ?
- VI
 - V
 - IV
 - VII
 - None of these

DIRECTIONS (Qs. 86-88) : These questions are based on the following input :

Input : 50 62 tips on 67 how can 42 stay young 17 89 forever 03.
(IBPS/ PO Main 2015)

86. The following stands for which step of the arrangement ?
young tips stay 50 on how can 42 17 forever 03 62 67 89.
- Step III
 - Step V
 - Step VI
 - Step IV
 - None of these
87. Which of the words/numbers below would be at the fifth position (from the right end) in Step V of the input ?
- forever
 - 42
 - 50
 - young
 - None of these
88. Which of the following would be the last step for the input?
- young tips stay on how forever can 03 17 42 50 62 67 89.
 - young tips stay on how forever can 89 67 62 50 42 17 03.

- can forever how on stay tips forever 89 67 62 50 42 17 03.
- young tips stay on how forever can 03 17 42 50 67 62 89.
- can forever how on stay tips young 03 17 42 50 62 67 89.

DIRECTIONS (Qs. 89-93): Study the following information carefully and answer the given question:

A word and number arrangement machine when given an input line of words and numbers rearrange them following a particular rule in each step. The following is an illustration of input and rearrangement. (All the numbers are two-digit numbers).

Input: gate 20 86 just not 71 for 67 38 bake sun 55

Step I : bake gate 20 just not 71 for 67 38 sun 55 86

Step II : for bake gate 20 just not 67 38 sun 55 86 71

Step III : gate for bake 20 just not 38 sun 55 86 71 67

Step IV : just gate for bake 20 not 38 sun 55 86 71 67

Step V : not just gate for bake 20 sun 86 71 67 55 38

Step VI : sun not just gate for bake 86 71 67 55 38 20

Steps VI is the last step of the arrangement the above input.

As per the rule followed in the above steps, find out in each of the following questions the appropriate step for the given input.

Input: 31 rise gem 15 92 47 aim big 25 does 56 not 85 63 with moon
(SBI PO/MAIN 2015)

89. How many steps will be required to complete the rearrangement?
- Eight
 - Six
 - Seven
 - Five
 - None of these
90. Which words numbers would be at 7th position from the left in step IV?
- rise
 - aim
 - big
 - 15
 - 47
91. Which step number is the following output?
rise not moon gem does big aim 15 with 92 85 63 56 47 31 25
- Step V
 - Step VII
 - Step IV
 - Step VIII
 - There is no such step
92. Which of the following represents the position of '92' in step VI ?
- Ninth from the left
 - Fifth from the right
 - Sixth from the right
 - Ninth from the right
 - Seventh from the left
93. Which words numbers would be at 5th position from the right in the last step?
- gem
 - 63
 - 56
 - 85
 - does

DIRECTIONS (Qs. 94-98) : Answer the questions on the basis of the information given below.

A number arrangement machine when given an input of words, rearranges them following a particular rule in each step. The following is an illustration of input and steps of rearrangement.

Input : west 45 28 83 bunch find 39 hut 12 8 guy cool

Step I: 83 45 28 bunch find 39 hut 12 8 guy cool west

Step II: 8 83 45 28 bunch find 39 12 guy cool west hut

Step III: 45 8 83 28 bunch find 39 12 cool west hut guy

Step IV: 12 45 8 83 28 bunch 39 cool west hut guy find

Step V: 39 12 45 8 83 28 bunch west hut guy find cool

Step VI: 28 39 12 45 8 83 west hut guy find cool bunch

This is the final arrangement and step VI is the last step for this input. (SBI Clerk Mains 2016)

94. Which of the following steps will be the last but one for following input?

Input : 76 from 48 super itself 56 18 went 22 crazy

- (a) V (b) III
(c) IV (d) VII
(e) None of these

95. What is the third step if input is

Input: 32 thirty days from now 56 87 24 23 shop

- (a) 56 23 87 32 days from 24 thirty shop now
(b) 23 87 32 days from now 56 24 thirty shop
(c) 23 87 32 days 56 from 24 thirty shop now
(d) 56 23 87 32 from 24 thirty shop now days
(e) None of these

96. Which of the following is last step of above input?

- (a) V (b) III
(c) VI (d) IV
(e) None of these

97. Find the Sixth step for which first step is given

Step I: 52 at deep follow 41 16 road 32 21 sheet

- (a) 32 21 41 16 52 sheet road follow at deep
(b) 21 41 16 52 at 32 sheet road follow deep
(c) 32 21 41 16 52 sheet road follow deep at
(d) There is no such step
(e) None of these

98. Which of the following is the last but one step of above input?

- (a) 21 41 32 16 52 sheet road follow at deep
(b) 32 21 41 16 52 sheet road follow at deep
(c) 21 41 16 52 at 32 sheet road follow deep
(d) 32 21 41 16 52 sheet road follow deep at
(e) None of these

Hints & Solutions

- (1-5) : In the first step, the largest number goes to the left most position, pushing the rest of the line rightward. In the next step, the word that comes first in the alphabetical order occupies the second position from the left, pushing the rest of the line rightward. Thus the numbers and words gets arranged alternately till all the numbers are placed in the descending order and the words in the alphabetical order.

1. (a) **Input:** 16 power failure 61 53 new cost 27
Step I: 61 16 power failure 53 new cost 27
Step II: 61 cost 16 power failure 53 new 27
Step III: 61 cost 53 16 power failure new 27
Step IV: 61 cost 53 failure 16 power new 27
Step V: 61 cost 53 failure 27 16 power new
Step VI: 61 cost 53 failure 27 new 16 power
2. (a) We cannot move backwards.
3. (a) **Step III:** 63 bed 58 never go home 46 28
Step IV: 63 bed 58 go never home 46 28
Step V: 63 bed 58 go 46 never home 28

Solution (6 to 10)

After analysis of the given input and various steps of rearrangement it is clear that words and numbers are being rearranged alternately. The words get rearranged in alphabetical order while the numbers get rearranged in descending order.

6. (c)

input	:	won	13	now	25	72	please	go	47
Step I	:	go	won	13	now	25	72	please	47
Step II	:	go	72	won	13	now	25	please	47
Step III	:	go	72	now	won	13	25	please	47
Step IV	:	go	72	now	47	won	13	25	please
Step V	:	go	72	now	47	please	won	13	25
Step VI	:	go	72	now	47	please	25	won	13

Step VI is last step.
7. (c)

Step III	:	car	81	desk	15	42	39	tall	more
Step IV	:	car	81	desk	42	15	39	tall	more
Step V	:	car	81	desk	42	more	15	39	tall
Step VI	:	car	81	desk	42	more	39	15	tall
Step VII	:	car	81	desk	42	more	39	tall	15

Step VII is last steps.

Step VI: 63 bed 58 to 46 home never 28

Step VII: 63 bed 58 go 46 home 28 never

This is the final step. Thus, four more steps are required to complete the rearrangement.

4. (e) Step IV will be the last but one step.

Input: rows 25 columns 39 46 fear star 72

Step I: 72 rows 25 columns 39 46 fear star

Step II: 72 columns rows 25 39 46 fear star

Step III: 72 columns 46 rows 25 39 fear star

Step IV: 72 columns 46 fear rows 25 39 star

Step V: 72 columns 46 fear 39 rows 25 star

This is the final step.

5. (b) **Input:** ordinary 47 tablet 36 dry 91 32 handle
Step I: 91 ordinary 47 tablet 36 dry 32 handle
Step II: 91 dry ordinary 47 tablet 36 32 handle
Step III: 91 dry 47 ordinary tablet 36 32 handle
Step IV: 91 dry 47 handle ordinary tablet 36 32
Step V: 91 dry 47 handle 36 ordinary tablet 32
Step VI: 91 dry 47 handle 36 ordinary tablet 32

8. (b) Step II : bell 53 town hall near 27 43 12
Step III : bell 53 hall town near 27 43 12
Step IV : bell 53 hall 43 town near 27 12
Step V : bell 53 hall 43 near town 27 12
Step VI : bell 53 hall 43 near 27 town 12
Step VI is last steps.
9. (d) Step II : box 93 25 year end 41 32 value
input :
Hence step II can not determine input.
10. (a) input : paper dry 37 23 height call 62 51
Step I : call paper dry 37 23 height 62 51
Step II : call 62 paper dry 37 23 height 51
Step III : call 62 dry paper 37 23 height 51
Step IV : call 62 dry 51 paper 37 23 height
Step V : call 62 dry 51 height paper 37 23
Step VI : call 62 dry 51 height 37 paper 23
Step VI is last step.

Input :	for	52	all	96	25	jam	road	15	hut	73	bus	stop	38	46
Step I :	all	for	52	25	jam	road	15	hut	73	bus	stop	38	46	96
Step II :	bus	all	for	52	25	jam	road	15	hut	stop	38	46	96	73
Step III :	for	bus	all	25	jam	road	15	hut	stop	38	46	96	73	52
Step IV :	hut	for	bus	all	25	jam	road	15	stop	38	96	73	52	46
Step V :	jam	hut	for	bus	all	25	road	15	stop	96	73	52	46	38
Step VI :	road	jam	hut	for	bus	all	15	stop	96	73	52	46	38	25
Step VII :	stop	road	jam	hut	for	bus	all	96	73	52	46	38	25	15

and step VII is the last step of the arrangement of the above input.

17. (a) Step V : jam hut for bus all 25 road 15 stop 96 73 52 46 38
6th from left

Hence, the number '25' would be at the 6th position from the left in Step V.

18. (d) Step III : for bus all 25 jam road 15 hut stop 38 46 96 73 52

19. (b) Step IV : hut for bus all 25 jam road 15 stop 38 96 73 52 46
8th from right

Hence, the word 'road' would be at the 8th position from the right in step IV.

20. (c) Step VII : stop road jam hut for bus all 96 73 52 46 38 25 15
21. (c) Step II : bus all for 52 25 jam road 15 hut stop 38 46 96 73

(1-4) :

Input :	84	why	sit	14	32	not	best	ink	feet	51	27	vain	68	92
Step I :	14	84	why	sit	32	not	ink	feet	51	27	vain	68	92	best
Step II :	27	14	84	why	sit	32	not	ink	51	vain	68	92	best	feet
Step III :	32	27	14	84	why	sit	not	51	vain	68	92	best	feet	ink
Step IV :	51	32	27	14	84	why	sit	vain	68	92	best	feet	ink	not
Step V :	68	51	32	27	14	84	why	vain	92	best	feet	ink	not	sit
Step VI :	84	68	51	32	27	14	why	92	best	feet	ink	not	sit	vain
Step VII :	92	84	68	51	32	27	14	best	feet	ink	not	sit	vain	why

22. (e) There is no such step.
23. (d) The word 'best' is at the fifth position from the right in Step V.
24. (b) There are three elements - 27, 14 and best - between 'feet' and '32' in the last step of the output.
25. (c) The word 'why' is sixth from the left and ninth from the right in the Step IV.
(26-30): If we examine the given input and pattern of rearrangement we would find that in the first step one number is rearranged and in the next step one word is rearranged. This pattern is followed alternately till all the numbers get arranged in ascending order and the words get arranged in reverse alphabetical order.
26. (b) Input : 86 open shut door 31 49 always 45
Step I : 31 86 open shut door 49 always 45

Step II : 31 shut 86 open door 49 always 45
 Step III: 31 shut 45 86 open door 49 always
 Step IV : 31 shut 45 open 86 door 49 always
 Step V : 31 shut 45 open 49 86 door always
 Step VI : 31 shut 45 open 49 door 86 always
 So 6 steps are required to complete the rearrangement

27. (d) It is not possible to determine the input from any given step.
28. (b) Step II: 18 win 71 34 now if victory 61
 Step III: 18 win 34 71 now if victory 61
 Step IV : 18 win 34 victory 71 now if 61
 Step V : 18 win 34 victory 61 now 71 if
 Step VI : 18 win 34 victory 61 now 71 if
 Step V : you wake 81 43 72 34 up me 23 go 13 before
 Step VI : you wake 81 43 72 up 34 me 23 go 13 before
 Step VII : you wake 81 72 48 up 34 me 23 go 13 before
 Step VIII : you 81 72 wake 43 up 34 me 23 go 13 before
 Step IX : 81 you 72 wake 43 up 34 me 23 go 13 before
45. (a) me
46. (d) It is step V.
47. (d) Option (d) is step II.
48. (d) Input cannot be determined.
49. (a) Input: Jockey firm 36 43 growth chart 22 45
 Step I: 45 Jockey firm 36 43 growth chart 22
 Step II: 45 Jockey 43 firm 36 growth chart 22
 Step III: 45 Jockey 43 growth firm 36 chart 22.
50. (b) Step II 53 window 42 50 door lock key 36
 Step III 53 window 50 42 door lock key 36
 Step IV 53 window 50 lock 42 door lock key 36
 Step V 53 window 50 lock 42 door lock key 36
 Step VI 53 window 50 lock 42 door lock key 36
 the step VI is the last step of the arrangement.
 Therefore four more steps are required to complete arrangement.
51. (c) Step I 85 journey train 36 54 daily 28 mansion
 Step II 85 train journey 36 54 daily 28 mansion
 Step III 85 train 54 journey 36 daily 28 mansion
 Step IV 85 train 54 mansion journey 36 daily 28
 Step V 85 train 54 mansion 36 journey daily 28
52. (e) Step II 63 sour 18 56 grapes healthy 32 rise
 Step III 63 sour 56 18 grapes healthy 32 rise
 Step IV 63 sour 56 rise 18 grapes healthy 32
 Step V 63 sour 56 rise 32 18 grapes healthy
 Step VI 63 sour 56 rise 32 healthy 18 grapes
 So, the last step is step VI.
53. (b) As solved in Qs. 49. So, 56 is the sixth number from the right in step V.

54-59:

Here, logic is very simple. It is a case of **Arrangement**.
 Input and following steps give the following

information:

In step I the word which comes first according to alphabetical order rearranges first.

In the second step the highest among the given numbers gets arranged and occupies the place after the word arranged in step I.

These two steps get repeated alternately. Thus, in the last step all the words get arranged alphabetically whereas numbers get arranged in descending order.

If any word or number is already arranged in any step, the next number or word is arranged.

54. (c) **Input** : 98 11 64 22 but will an it
Step I : an 98 11 64 22 but will it
Step II : an 98 but 11 64 22 will it
Step III : an 98 but 64 11 22 will it
Step IV : an 98 but 64 it 11 22 will
Step V : an 98 but 64 it 22 11 will
Step VI : an 98 but 64 it 22 will 11
55. (a) **Input** : 32 now 20 gift 53 box 62 at
Step I : at 32 now 20 gift 53 box 62
Step II : at 62 32 now 20 gift 53 box
Step III : at 62 box 32 now 20 gift 53
Step IV : at 62 box 53 32 now 20 gift
56. (d) **Input** : pay by 18 36 nose ear 72 54
Step I : by pay 18 36 nose ear 72 54
Step II : by 72 pay 18 36 nose ear 54
Step III : by 72 ear pay 18 36 nose 54
Step IV : by 72 ear 54 pay 18 36 nose
Step V : by 72 ear 54 nose pay 18 36
Step VI : by 72 ear 54 nose 36 pay 18
57. (b) **Step III** : damn 96 flag 87 78 14 saint put
Step IV : damn 96 flag 87 put 78 14 saint
Step V : damn 96 flag 87 put 78 saint 14
 Step V is the last step. Therefore, penultimate step is step IV.
58. (d) Previous steps cannot be determined .
59. (b) '17' cannot be before 'sky'

(60-66) :

If we examine the pattern of rearrangement carefully. We would find in the given input and various steps that in each step one number or one word is getting arranged in the first step, the highest number is shifting to extreme left position and in next step the word which comes first in alphabetical order moves to the second position. Pattern in these two steps is repeated till all the numbers are arranged in descending order and the words in alphabetical order.

Input : vital 54 cards 72 help 24 wall 66 lamp 49
 Step I : 72 vital 54 cards help 24 wall 66 lamp 49
 Step II : 72 cards vital 54 help 24 wall 66 lamp 49
 Step III : 72 cards 66 vital 54 help 24 wall lamp 49
 Step IV : 72 cards 66 help vital 54 24 wall lamp 49
 Step V : 72 cards 66 help 54 vital 24 wall lamp 49
 Step VI : 72 cards 66 help 54 lamp vital 24 wall 49
 Step VII: 72 cards 66 help 54 lamp 49 vital 24 wall
 And, Step VII is the last step.

60. (c) Seven steps would be required to complete the rearrangement.
61. (a) There are five elements (help, 54, vital, 24, wall) between "66" and "lamp" in the Step V.
62. (d) This is Step VI.
63. (b) Fourth element from the right end in the Step III \Rightarrow 24 Immediate to the right of "24" \Rightarrow wall
64. (e) There are two elements between "66" and "lamp" in the final Step. Similarly, there are two elements between "72" and "help" in the final Step. So, "cards" would be related to "54".
65. (b) The element "wall" would come at the eighth
84. (d) Option (d) is the Step III.
85. (c) Four steps are needed to complete the arrangement. (86-88) :
- Input** : 50 62 tips on 67 how can 42 stay young 17 89 forever 03
- Step I** : young 50 62 tips on 67 how can 42 stay 17 forever 03 89
- Step II** : young tips 50 62 on how can 42 stay 17 forever 03 67 89
- Step III** : young tips stay 50 on how can 42 17 forever 03 62 67 89
- Step IV** : young tips stay on how can 42 17 forever 03 50 62 67 89
- Step V** : young tips stay on how forever can 17 03 42 50 62 67 89
- Step VI** : young tips stay on how for ever can 03 17 42 50 62 67 89
86. (a) It is Step III.
87. (b) 42 is at the fifth position from the right end in Step V.
88. (a) Option (a) is the last step.
- (89-23) : After careful analysis of the given input and various steps of rearrangement it is evident that in each step one word and one number are rearranged.
- The word are rearranged from left in alphabetical order and the numbers are rearranged from the right in descending order but in the final step the word get rearranged in alphabetical order in reserves manner and number appear in descending order.
- Input** : 31 rise gem 15 92 47 aim big 25 does 56 not 85 63 with moon
- Step I** : aim 31 rise gem 15 47 big 25 does 56 not 85 63 with moon 92
- Step II** : big aim 31 rise gem 15 47 25 does 56 not 63 with moon 92 85
- Step III** : does big aim 31 rise gem 15 47 25 56 not with moon 92 85 63
- Step IV** : gem does big aim 31 rise 15 47 25 not with moon 92 85 63 56
- Step V** : moon gem does big aim 31 rise 15 25 not with 92 85 63 56 47
- Step VI** : not moon gem does big aim rise 15 25 with 92 85 63 56 47 31
- Step VII** : rise not moon gem does big aim 15 with 92 85 63 56 47 31 25
- Step VIII** : with rise not moon gem does big aim 92 85 63 56 47 31 25 15
89. (a) 90. (d) 91. (b) 92. (c) 93. (c)
94. (c) In each step 2 words/numbers are arranged. In the final step, the words are arranged in decreasing alphabetical order and numbers are - from 83, largest number,

smallest number, second largest, second smallest, and so on.

Input : 76 from 48 super itself 56 18 went 22 crazy
 Step I : 76 from 48 super itself 56 18 22 crazy went
 Step II : 18 76 from 48 itself 56 22 crazy went super
 Step III : 56 18 76 from 48 22 crazy went super itself
 Step IV : 22 56 18 76 48 crazy went super itself from
 Step V : 48 22 56 18 76 went super itself from crazy

95. (a) 56 23 87 32 days from 24 thirty shop now
 Input: 32 thirty days from now 56 87 24 23 shop
 Step I: 87 32 days from now 56 24 23 shop thirty
 Step II: 23 87 32 days from now 56 24 thirty shop
 Step III: 56 23 87 32 days from 24 thirty shop now
 Step IV: 56 23 87 32 days from 24 thirty shop now
 Step V: 24 56 23 87 32 days thirty shop now from
 Step V: 32 24 56 23 87 thirty shop now from days
96. (a) Step III: 56 23 87 32 days from 24 thirty shop now
 Step IV: 24 56 23 87 32 days thirty shop now from
 Step V: 32 24 56 23 87 thirty shop now from days
97. (d) There is no such step
 Step I: 52 at deep follow 41 16 road 32 21 sheet
 Step II: 16 52 at deep follow 41 32 21 sheet road
 Step III: 41 16 52 at deep 32 21 sheet road follow
 Step IV: 21 41 16 52 at 32 sheet road follow deep
 Step V: 32 21 41 16 52 sheet road follow deep at - final
98. (c) 21 41 16 52 at 32 sheet road follow deep
 Step IV: 21 41 16 52 at 32 sheet road follow deep
 Step V: 32 21 41 16 52 sheet road follow deep at - final



